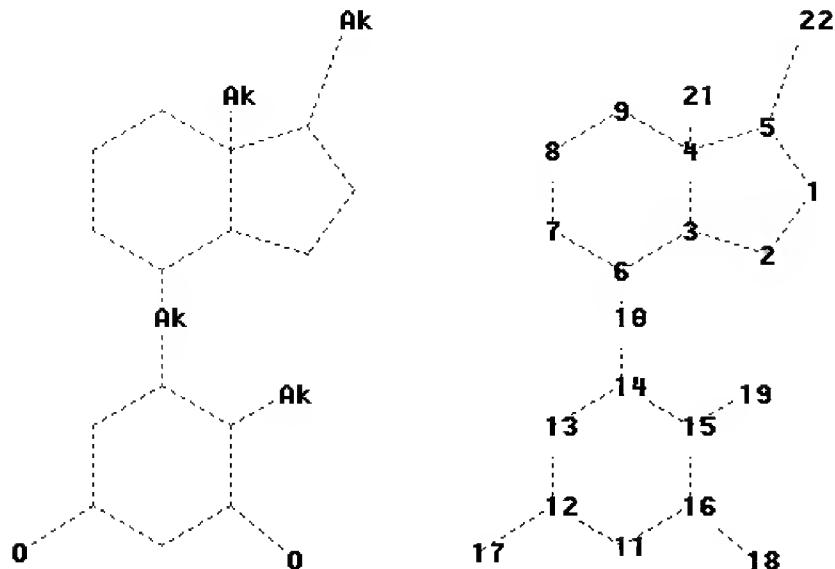


Structures uploaded into STN REGISTRY

Uploading L3.str



```

chain nodes :
10 17 18 19 21 22
ring nodes :
1 2 3 4 5 6 7 8 9 11 12 13 14 15 16
chain bonds :
4-21 5-22 6-10 10-14 12-17 15-19 16-18
ring bonds :
1-2 1-5 2-3 3-4 3-6 4-5 4-9 6-7 7-8 8-9 11-12 11-16 12-13 13-14 14-15
15-16
exact/norm bonds :
1-2 1-5 2-3 3-4 3-6 4-5 4-9 4-21 5-22 6-7 6-10 7-8 8-9 10-14 11-12
11-16 12-13 12-17 13-14 14-15 15-16 15-19 16-18
isolated ring systems :
containing 1 : 11 :

```

```

Connectivity :
17:1 E exact RC ring/chain 18:1 E exact RC ring/chain
Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:CLASS 18:CLASS 19:CLASS
21:CLASS 22:CLASS

```

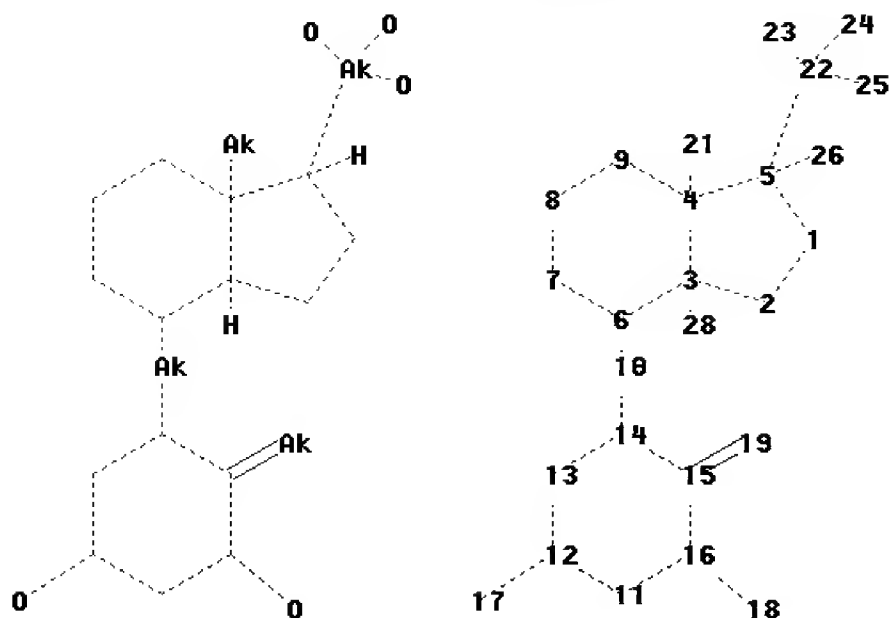
```

Generic attributes :
22:
Type of chain      : Branched
Saturation         : Saturated

```

Uploading L9.str

10/554,038



```

chain nodes :
10 17 18 19 21 22 23 24 25 26 28
ring nodes :
1 2 3 4 5 6 7 8 9 11 12 13 14 15 16
chain bonds :
3-28 4-21 5-22 5-26 6-10 10-14 12-17 15-19 16-18 22-23 22-24 22-25
ring bonds :
1-2 1-5 2-3 3-4 3-6 4-5 4-9 6-7 7-8 8-9 11-12 11-16 12-13 13-14 14-15
15-16
exact/norm bonds :
1-2 1-5 2-3 3-4 3-6 3-28 4-5 4-9 4-21 5-22 5-26 6-7 6-10 7-8 8-9 10-14
11-12 11-16 12-13 12-17 13-14 14-15 15-16 15-19 16-18 22-23 22-24 22-25
isolated ring systems :
containing 1 : 11 :

```

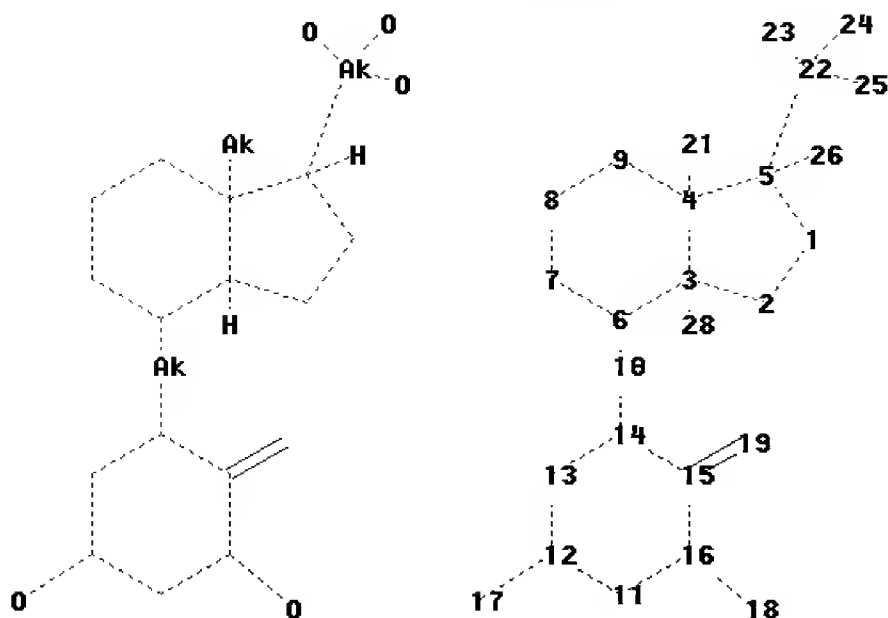
```

Connectivity :
17:1 E exact RC ring/chain 18:1 E exact RC ring/chain 19:1 E exact RC ring/chain
23:1 E exact RC ring/chain 24:1 E exact RC ring/chain 25:1 E exact RC ring/chain
Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:CLASS 18:CLASS 19:CLASS
21:CLASS 22:CLASS
23:CLASS 24:CLASS 25:CLASS 26:CLASS 28:CLASS
Generic attributes :
19:
Number of Carbon Atoms : less than 7
22:
Type of chain : Branched
Saturation : Saturated
Number of Carbon Atoms : 7 or more

```

Uploading L15.str

10/554,038



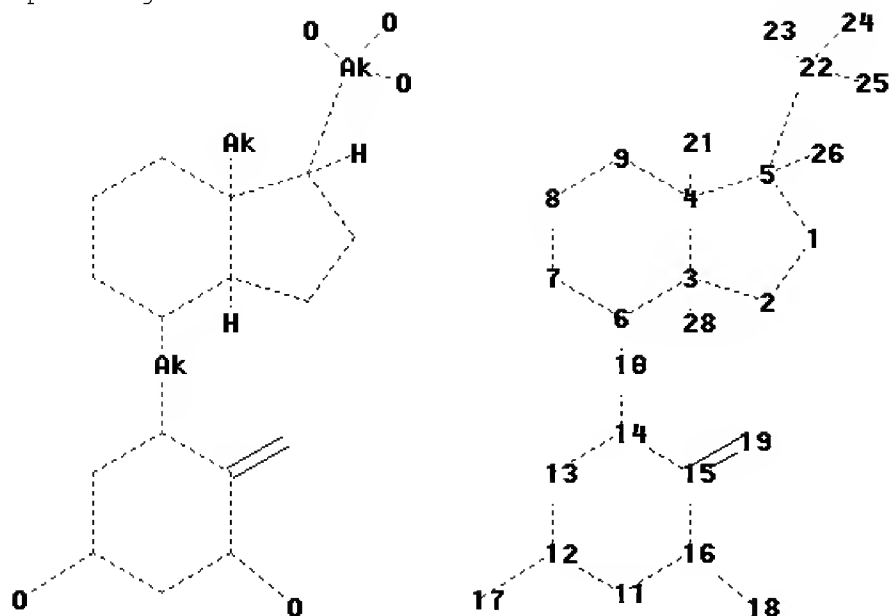
chain nodes :
10 17 18 19 21 22 23 24 25 26 28
ring nodes :
1 2 3 4 5 6 7 8 9 11 12 13 14 15 16
chain bonds :
3-28 4-21 5-22 5-26 6-10 10-14 12-17 15-19 16-18 22-23 22-24 22-25
ring bonds :
1-2 1-5 2-3 3-4 3-6 4-5 4-9 6-7 7-8 8-9 11-12 11-16 12-13 13-14 14-15
15-16
exact/norm bonds :
1-2 1-5 2-3 3-4 3-6 3-28 4-5 4-9 4-21 5-22 5-26 6-7 6-10 7-8 8-9 10-14
11-12 11-16 12-13 12-17 13-14 14-15 15-16 16-18 22-23 22-24 22-25
exact bonds :
15-19
isolated ring systems :
containing 1 : 11 :

Connectivity :
11:2 E exact RC ring/chain 17:1 E exact RC ring/chain 18:1 E exact RC ring/chain
19:1 E exact RC ring/chain 23:1 E exact RC ring/chain 24:1 E exact RC ring/chain
25:1 E exact
RC ring/chain
Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:CLASS 18:CLASS 19:CLASS
21:CLASS 22:CLASS
23:CLASS 24:CLASS 25:CLASS 26:CLASS 28:CLASS
Generic attributes :
22:
Type of chain : Branched
Saturation : Saturated
Number of Carbon Atoms : 7 or more

Element Count :
Node 22: Limited

C, C9

Uploading L20.str



chain nodes :

10 17 18 19 21 22 23 24 25 26 28

ring nodes :

1 2 3 4 5 6 7 8 9 11 12 13 14 15 16

chain bonds :

3-28 4-21 5-22 5-26 6-10 10-14 12-17 15-19 16-18 22-23 22-24 22-25

ring bonds :

1-2 1-5 2-3 3-4 3-6 4-5 4-9 6-7 7-8 8-9 11-12 11-16 12-13 13-14 14-15 15-16

exact/norm bonds :

1-2 1-5 2-3 3-4 3-6 3-28 4-5 4-9 4-21 5-22 5-26 6-7 6-10 7-8 8-9 10-14

11-12 11-16 12-13 12-17 13-14 14-15 15-16 16-18 22-23 22-24 22-25

exact bonds :

15-19

isolated ring systems :

containing 1 : 11 :

Connectivity :

11:2 E exact RC ring/chain 17:1 E exact RC ring/chain 18:1 E exact RC ring/chain

19:1 E exact RC ring/chain 22:4 E exact RC ring/chain 23:1 E exact RC ring/chain

24:1 E exact

RC ring/chain 25:1 E exact RC ring/chain

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS

11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:CLASS 18:CLASS 19:CLASS

21:CLASS 22:CLASS

23:CLASS 24:CLASS 25:CLASS 26:CLASS 28:CLASS

Generic attributes :

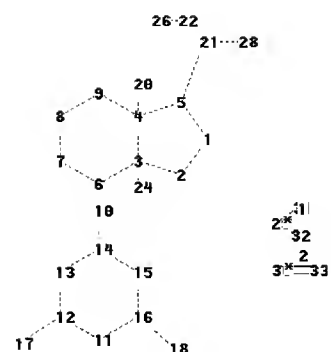
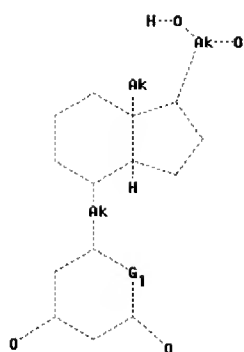
10/554,038

22:

Type of chain : Branched
Saturation : Saturated
Number of Carbon Atoms : 7 or more

Element Count :
Node 22: Limited
C, C9

Uploading L24.str



chain nodes :

10 17 18 20 21 22 24 26 28 29 30 31 32 33

ring nodes :

1 2 3 4 5 6 7 8 9 11 12 13 14 15 16

chain bonds :

3-24 4-20 5-21 6-10 10-14 12-17 16-18 21-22 21-28 22-26 29-31 29-32 30-33

ring bonds :

1-2 1-5 2-3 3-4 3-6 4-5 4-9 6-7 7-8 8-9 11-12 11-16 12-13 13-14 14-15 15-16

exact/norm bonds :

1-2 1-5 2-3 3-4 3-6 3-24 4-5 4-9 4-20 5-21 6-7 6-10 7-8 8-9 10-14 11-12 11-16 12-13 12-17 13-14 14-15 15-16 16-18 21-22 21-28 22-26 29-31 29-32 30-33

isolated ring systems :

containing 1 : 11 :

G1:[*1],[*2]

Connectivity :

10/554,038

11:2 E exact RC ring/chain 21:4 E exact RC ring/chain 33:1 E exact RC ring/chain

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:CLASS 18:CLASS 20:CLASS
21:CLASS 22:CLASS
24:CLASS 26:CLASS 28:CLASS 29:CLASS 30:CLASS 31:CLASS 32:CLASS 33:CLASS

Generic attributes :

21:

Type of chain : Branched

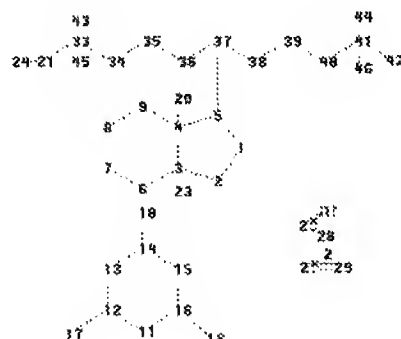
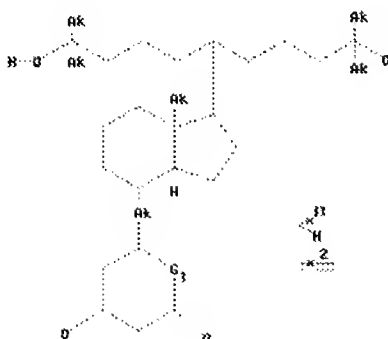
Number of Carbon Atoms : 7 or more

Element Count :

Node 21: Limited

C,C9

Uploading L31.str



chain nodes :

10 17 18 20 21 23 24 25 26 27 28 29 33 34 35 36 37 38 39 40 41
42 43 44 45 46

ring nodes :

1 2 3 4 5 6 7 8 9 11 12 13 14 15 16

chain bonds :

3-23 4-20 5-37 6-10 10-14 12-17 16-18 21-24 21-33 25-27 25-28 26-29 33-34

33-43 33-45 34-35 35-36 36-37 37-38 38-39 39-40 40-41 41-42 41-44 41-46

ring bonds :

1-2 1-5 2-3 3-4 3-6 4-5 4-9 6-7 7-8 8-9 11-12 11-16 12-13 13-14 14-15
15-16

exact/norm bonds :

1-2 1-5 2-3 3-4 3-6 3-23 4-5 4-9 4-20 5-37 6-7 6-10 7-8 8-9 10-14
11-12 11-16 12-13 12-17 13-14 14-15 15-16 16-18 21-24 21-33 25-27 25-28
26-29 33-34 33-43
33-45 34-35 35-36 36-37 37-38 38-39 39-40 40-41 41-42 41-44 41-46

10/554,038

isolated ring systems :
containing 1 : 11 :

G1:[*1],[*2]

Connectivity :

11:2 E exact RC ring/chain 29:1 E exact RC ring/chain

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:CLASS 18:CLASS 20:CLASS
21:CLASS 23:CLASS
24:CLASS 25:CLASS 26:CLASS 27:CLASS 28:CLASS 29:CLASS 33:CLASS 34:CLASS
35:CLASS 36:CLASS
37:CLASS 38:CLASS 39:CLASS 40:CLASS 41:CLASS 42:CLASS 43:CLASS 44:CLASS
45:CLASS 46:CLASS

Full search history

=> d his full

(FILE 'HOME' ENTERED AT 15:18:59 ON 31 JUL 2009)

FILE 'REGISTRY' ENTERED AT 15:19:22 ON 31 JUL 2009
 L1 STRUCTURE UPLOADED
 D L1
 L2 0 SEA SSS SAM L1

FILE 'STNGUIDE' ENTERED AT 15:20:05 ON 31 JUL 2009

FILE 'REGISTRY' ENTERED AT 15:21:11 ON 31 JUL 2009
 L3 STRUCTURE UPLOADED
 D L3
 L4 3 SEA SSS SAM L3
 D SCAN
 L5 1106 SEA SSS FUL L3
 SAVE TEMP L5 GOO038STL3/A
 L6 1 SEA SUB=L5 SSS SAM L1
 D SCAN
 L7 57 SEA SUB=L5 SSS FUL L1

FILE 'HCAPLUS' ENTERED AT 15:24:18 ON 31 JUL 2009

L8 81 SEA SPE=ON ABB=ON PLU=ON L7

FILE 'STNGUIDE' ENTERED AT 15:24:29 ON 31 JUL 2009

FILE 'REGISTRY' ENTERED AT 15:27:32 ON 31 JUL 2009
 L9 STRUCTURE UPLOADED
 D L9
 L10 1 SEA SUB=L5 SSS SAM L9
 D SCAN
 L11 46 SEA SUB=L5 SSS FUL L9
 L12 7 SEA SPE=ON ABB=ON PLU=ON L11 AND F/ELS
 L13 39 SEA SPE=ON ABB=ON PLU=ON L11 NOT L12

FILE 'HCAPLUS' ENTERED AT 15:31:02 ON 31 JUL 2009

L14 74 SEA SPE=ON ABB=ON PLU=ON L13

FILE 'STNGUIDE' ENTERED AT 15:31:16 ON 31 JUL 2009

FILE 'REGISTRY' ENTERED AT 15:35:08 ON 31 JUL 2009
 L15 STRUCTURE UPLOADED
 D L15
 L16 1 SEA SUB=L5 SSS SAM L15
 D SCAN
 L17 19 SEA SUB=L5 SSS FUL L15
 D SCAN

FILE 'HCAPLUS' ENTERED AT 15:37:31 ON 31 JUL 2009

L18 18 SEA SPE=ON ABB=ON PLU=ON L17

FILE 'REGISTRY' ENTERED AT 15:37:45 ON 31 JUL 2009

L19 19 SEA SPE=ON ABB=ON PLU=ON L13 AND L17
 L20 STRUCTURE UPLOADED
 D L20
 L21 1 SEA SUB=L19 SSS SAM L20

D SCAN
 L22 8 SEA SUB=L19 SSS FUL L20
 D SCAN

 FILE 'HCAPLUS' ENTERED AT 15:41:26 ON 31 JUL 2009
 L23 13 SEA SPE=ON ABB=ON PLU=ON L22
 D L23 1-13 TI
 D L23 1-13 AU

 FILE 'STNGUIDE' ENTERED AT 15:43:05 ON 31 JUL 2009

 FILE 'REGISTRY' ENTERED AT 15:49:37 ON 31 JUL 2009
 L24 STRUCTURE UPLOADED
 L25 1 SEA SSS SAM L24
 D SCAN
 L26 194 SEA SSS FUL L24
 L27 176 SEA SPE=ON ABB=ON PLU=ON L26 NOT L5
 L28 176 SEA SPE=ON ABB=ON PLU=ON L27 NOT L22
 L29 176 SEA SPE=ON ABB=ON PLU=ON L28 NOT L17

 FILE 'HCAPLUS' ENTERED AT 15:52:37 ON 31 JUL 2009
 L30 41 SEA SPE=ON ABB=ON PLU=ON L29
 D L30 41 FHITSTR

 FILE 'STNGUIDE' ENTERED AT 15:53:49 ON 31 JUL 2009

 FILE 'REGISTRY' ENTERED AT 15:58:43 ON 31 JUL 2009
 L31 STRUCTURE UPLOADED
 D L31
 L32 1 SEA SUB=L26 SSS SAM L31
 D SCAN
 L33 10 SEA SUB=L26 SSS FUL L31
 L34 5 SEA SPE=ON ABB=ON PLU=ON L33 NOT L5
 D SCAN
 D SCAN L33
 L35 5 SEA SPE=ON ABB=ON PLU=ON L33 AND L5
 L36 10 SEA SPE=ON ABB=ON PLU=ON L34 OR L35
 L37 10 SEA SPE=ON ABB=ON PLU=ON L36 AND L33
 L38 4 SEA SPE=ON ABB=ON PLU=ON L23 AND L37

 FILE 'HCAPLUS' ENTERED AT 16:03:42 ON 31 JUL 2009
 L39 11 SEA SPE=ON ABB=ON PLU=ON L37
 L40 11 SEA SPE=ON ABB=ON PLU=ON L34
 L41 11 SEA SPE=ON ABB=ON PLU=ON L35
 L42 11 SEA SPE=ON ABB=ON PLU=ON L38
 L43 11 SEA SPE=ON ABB=ON PLU=ON (L39 OR L40 OR L41 OR L42)
 L44 11 SEA SPE=ON ABB=ON PLU=ON L23 AND L43
 L45 13 SEA SPE=ON ABB=ON PLU=ON L23 OR L43
 L46 18 SEA SPE=ON ABB=ON PLU=ON L19
 L47 5 SEA SPE=ON ABB=ON PLU=ON L46 NOT L45
 D L47 1-5 TI

 FILE 'HCAPLUS' ENTERED AT 16:09:52 ON 31 JUL 2009
 D L47 1-5 TI
 D L47 1-5 AU
 L48 13 SEA SPE=ON ABB=ON PLU=ON (L43 OR L44 OR L45)
 SAVE TEMP L48 GOO038STL48/A
 E ADORINI L?/AU
 L49 272 SEA SPE=ON ABB=ON PLU=ON ADORINI L?/AU
 E PENNA G?/AU

10/554,038

L50 74 SEA SPE=ON ABB=ON PLU=ON PENNA G?/AU
E MAEHR H?/AU
L51 96 SEA SPE=ON ABB=ON PLU=ON MAEHR H?/AU
L52 5 SEA SPE=ON ABB=ON PLU=ON L49 AND L50 AND L51
L53 70 SEA SPE=ON ABB=ON PLU=ON L49 AND (L50 OR L51)
L54 5 SEA SPE=ON ABB=ON PLU=ON L50 AND L51
L55 63 SEA SPE=ON ABB=ON PLU=ON (L49 OR L50 OR L51) AND BIOXELL?/CO
,CS,PA,SO
L56 76 SEA SPE=ON ABB=ON PLU=ON (L49 OR L50 OR L51) AND (VITAMIN(W)
D OR "VITAMIN D" OR (VITAMIN?(4A)(DERIV? OR ANALOG? OR MIMIC?
OR MODIF?)) OR (VITAMIN(W)(D3 OR D4)))
L57 40 SEA SPE=ON ABB=ON PLU=ON L55 AND L56
L58 45 SEA SPE=ON ABB=ON PLU=ON (L52 OR L53 OR L54) AND (L55 OR
L56)
L59 25 SEA SPE=ON ABB=ON PLU=ON L57 AND L58
L60 26 SEA SPE=ON ABB=ON PLU=ON L52 OR L59
D L60 1-11 TI
L61 10 SEA SPE=ON ABB=ON PLU=ON (L57 OR L58) AND (CALCIFER? OR
CHOLECALCIFER? OR CHOLE(W)CALCIFER?)
L62 33 SEA SPE=ON ABB=ON PLU=ON (L60 OR L61)

FILE 'MEDLINE, BIOSIS, EMBASE, DRUGU' ENTERED AT 16:17:50 ON 31 JUL 2009

L63 7 SEA SPE=ON ABB=ON PLU=ON L54
L64 7 SEA SPE=ON ABB=ON PLU=ON L52
L65 181 SEA SPE=ON ABB=ON PLU=ON L53
L66 96 SEA SPE=ON ABB=ON PLU=ON L57
L67 112 SEA SPE=ON ABB=ON PLU=ON L58
L68 22 SEA SPE=ON ABB=ON PLU=ON (L65 OR L66 OR L67) AND (CALCIFER?
OR CHOLECALCIFER? OR CHOLE(W) CALCIFER?)
L69 55 SEA SPE=ON ABB=ON PLU=ON L66 AND L67
L70 55 SEA SPE=ON ABB=ON PLU=ON (L63 OR L64 OR L65) AND L69
L71 29 SEA SPE=ON ABB=ON PLU=ON L64 OR L68
L72 55 SEA SPE=ON ABB=ON PLU=ON L70 AND (VITAMIN(W) D OR "VITAMIN
D" OR (VITAMIN?(4N)(DERIV? OR ANALOG? OR MIMIC? OR MODIF?)) OR
(VITAMIN(W)(D3 OR D4)))
L73 56 SEA SPE=ON ABB=ON PLU=ON L60
L74 55 SEA SPE=ON ABB=ON PLU=ON L72 AND L73
L75 14 SEA SPE=ON ABB=ON PLU=ON L71 AND (L73 OR L74)
L76 29 SEA SPE=ON ABB=ON PLU=ON L71 OR L75

FILE 'STNGUIDE' ENTERED AT 16:23:43 ON 31 JUL 2009

FILE 'HCAPLUS' ENTERED AT 16:24:43 ON 31 JUL 2009

D STAT QUERY L48
D L48 1-13 IBIB ED ABS HITRN HITSTR
D QUE L62
D QUE L76

FILE 'HCAPLUS, MEDLINE, BIOSIS, EMBASE, DRUGU' ENTERED AT 16:27:00 ON 31
JUL 2009

L77 40 DUP REM L62 L76 (22 DUPLICATES REMOVED)
ANSWERS '1-33' FROM FILE HCAPLUS
ANSWERS '34-35' FROM FILE MEDLINE
ANSWERS '36-37' FROM FILE EMBASE
ANSWERS '38-40' FROM FILE DRUGU
D L77 1-40 IBIB ABS

FILE HOME